

16/769,365

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alerts (SDIs) affected
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alerts (SDIs) affected
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and
February 2005
NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian
Agency for Patents and Trademarks (ROSPATENT)

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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STRUCTURE FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2
DICTIONARY FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more
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=> s analine/cn
L1 0 ANALINE/CN

=> s aniline/cn
L2 1 ANILINE/CN

=> d l2

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 62-53-3 REGISTRY

CN Benzenamine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aniline (8CI)

OTHER NAMES:

CN Aminobenzene

CN Aminophen

CN Anyvim

CN Benzene, amino-

CN Blue Oil

CN C.I. 76000

CN NCI 176689

CN Phenylamine

FS 3D CONCORD

DR 37342-16-8, 146997-94-6

MF C6 H7 N

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,

BIOBUSINESS,

BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
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DETERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFCDB, IFIPAT, IFIUDB, IPA,
MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT,

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USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL*, EINECS*, TSCA*

(*Enter CHEMLIST file for up-to-date regulatory information)

DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;

Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);

CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC

(Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);

PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No

role

in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical

study); BIOL (Biological study); CMBI (Combinatorial study); FORM

(Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence);

PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or

reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);

MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC

(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);

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RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical

study); BIOL (Biological study); CMBI (Combinatorial study); FORM

(Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence);

PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or

reagent); USES (Uses)

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN (Continued)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

46425 REFERENCES IN FILE CA (1907 TO DATE)

3340 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

46513 REFERENCES IN FILE CAPLUS (1907 TO DATE)

13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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=> fil caplus
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                11.47      11.68

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FILE 'CAPLUS' ENTERED AT 15:02:45 ON 03 FEB 2005
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FILE COVERS 1907 - 3 Feb 2005 VOL 142 ISS 6
 FILE LAST UPDATED: 2 Feb 2005 (20050202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```

=> s 100-65-2/rn
      1085 100-65-2
      34 100-65-2D
L3      1054 100-65-2/RN
      (100-65-2 (NOTL) 100-65-2D )

```

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=> s 62-53-3/rn
      46513 62-53-3
      3345 62-53-3D
L4      43642 62-53-3/RN
      (62-53-3 (NOTL) 62-53-3D )

```

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=> s l3 and l4
L5      212 L3 AND L4

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=> s mn
      397927 MN
      4715 MNS
L6      400639 MN
      (MN OR MNS)

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=> s manga?
L7      340326 MANGA?

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=> s l6 or l7
L8      557724 L6 OR L7

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=> s l5 and l8
L9      4 L5 AND L8

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=> d l9 1-4 abs ibib

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L9 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Ortho-substituted phenylamines (e.g., 1,2-diaminobenzene) are prepared by contacting phenylhydroxylamine, optionally substituted with at least one inert substituent, with a nucleophilic reagent (e.g., aniline) in the presence of a manganese oxide catalyst at 10-170° and a pressure from subatmospheric to superatmospheric.

ACCESSION NUMBER: 2004:681439 CAPLUS
 DOCUMENT NUMBER: 141:174612
 TITLE: Regioselective catalytic process for preparing ortho-substituted phenylamines from a nucleophilic agent and phenylhydroxylamine
 INVENTOR(S): Malz, Russell E.; Kumar, Ranjit; Garces, Luis Javier; Suib, Steven L.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004162444	A1	20040819	US 2004-769365	20040130
WO 2004072028	A2	20040826	WO 2004-US2825	20040130
WO 2004072028	A3	20040923		

W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, LC, LC, LR, LR, LS, LS, LT, LU, LV, NA, MD, MD, MG, MK, MN, MX, MX, MZ, MZ, NA, NI
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, NG, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, NG, SM, TD, TG
 US 2003-445680P P 20030206

PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 141:174612

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Aryl Me ketone are synthesized by oxidation of ethylarenes with O2-containing gas in the presence of metal catalysts at 100-150° and 0.1-1.5 MPa for 2-12 h. The catalyst is Co, Ni, Cu, or Mn complexes with N-hydroxy-N-phenylbenzamide, N-hydroxy-N-phenyl-3-pyridinecarboxamide, N-hydroxy-N-phenyl-4-pyridinecarboxamide, N-hydroxy-N-phenyl-2-pyridinecarboxamide, or N-phenyl-2-pyridinecarboxamide.

ACCESSION NUMBER: 2002:476783 CAPLUS
 DOCUMENT NUMBER: 137:20218
 TITLE: Preparation of aryl methyl ketones
 INVENTOR(S): Li, Xianjun; Chen, Xinzhi; Qi, Jianying; Bai, Chengchao; Deng, Lisheng; Li, Wenzhou; Sun, Bin; Hu, Jiayuan
 PATENT ASSIGNEE(S): Sichuan Univ., Peop. Rep. China
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 17 pp.
 CODEN: CXXKEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1297881	A	20010606	CN 1999-125283	19991201
CN 1136179	B	20040128		

PRIORITY APPLN. INFO.: CN 1999-125283 19991201

OTHER SOURCE(S): CASREACT 137:20218; MARPAT 137:20218

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AB The condensation reaction of N-phenylhydroxylamine in the presence of clay catalysts was studied. The main products of this reaction are azoxybenzene, aniline and nitrosobenzene. In contrast with the previously published results, p-nitrosodiphenylamine is not formed during the condensation reaction.

ACCESSION NUMBER: 2000:820017 CAPLUS
 DOCUMENT NUMBER: 134:115704
 TITLE: Reaction of N-phenylhydroxylamine in the presence of clay catalysts
 AUTHOR(S): Groskova, Dana; Stolcova, Magdalena; Hronec, Milan
 CORPORATE SOURCE: Department of Organic Technology, Slovak University of Technology, Bratislava, 812 37, Slovakia
 SOURCE: Catalysis Letters (2000), 69(1,2), 113-116
 CODEN: CALEER; ISSN: 1011-372X
 Baltzer Science Publishers
 PUBLISHER: Journal
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 134:115704
 REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AB When large doses of aniline or ethylaniline were injected into rabbits, only a small increase in hemoglobin (I) concentration was observed. Phenylhydroxylamine (II) readily produced I in rabbit cells, both in vivo and in vitro, the in vitro action lasting longer in rabbit red cells than in those of other species. In vivo, II and nitrosobenzene rapidly disappeared from blood. II produced in liver microsomes is rapidly inactivated in the tissues and blood of the rabbit, and this is a major factor in the refractoriness of rabbits towards hemoglobin formation on administering aromatic amines.

ACCESSION NUMBER: 1965:466284 CAPLUS
 DOCUMENT NUMBER: 63:66284
 ORIGINAL REFERENCE NO.: 63:12212f-g
 TITLE: The low activity of aniline in producing hemoglobin in rabbits
 AUTHOR(S): Bayerl, Peter; Kiese, Manfred
 CORPORATE SOURCE: Univ. Munich, Germany
 SOURCE: Archiv fuer Experimentelle Pathologie und Pharmacologie (1965), 251(2), 212-21
 CODEN: AEXPBL; ISSN: 0365-2041
 DOCUMENT TYPE: Journal
 LANGUAGE: English

```

=> s phenylamin?
L10      10315 PHENYLAMIN?

=> s phenylhyd?
L11      27559 PHENYLHYD?

=> s l10 and l11
L12      265 L10 AND L11

=> d his

      (FILE 'HOME' ENTERED AT 15:01:55 ON 03 FEB 2005)

      FILE 'REGISTRY' ENTERED AT 15:02:10 ON 03 FEB 2005
L1        0 S ANALINE/CN
L2        1 S ANILINE/CN

      FILE 'CAPLUS' ENTERED AT 15:02:45 ON 03 FEB 2005
L3        1054 S 100-65-2/RN
L4        43642 S 62-53-3/RN
L5        212 S L3 AND L4
L6        400639 S MN
L7        340326 S MANGA?
L8        557724 S L6 OR L7
L9        4 S L5 AND L8
L10       10315 S PHENYLAMIN?
L11       27559 S PHENYLHYD?
L12       265 S L10 AND L11

=> s l12 and l8
L13       2 L12 AND L8

=> d l13 1-2 abs ibib

```

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Ortho-substituted phenylamines (e.g., 1,2-diaminobenzene) are prepared by contacting phenylhydroxylamine, optionally substituted with at least one inert substituent, with a nucleophilic reagent (e.g., aniline) in the presence of a manganese oxide catalyst at 10-170° and a pressure from subatmospheric to superatmospheric.
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 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004072028	A2	20040826	WO 2004-US2825	20040130
WO 2004072028	A3	20040923		

W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, LC, LC, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, ME, ME, NA, NI

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-445680P P 20030206

OTHER SOURCE(S): MARPAT 141:174612

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 AB A review with 565 refs. including heat capacities, entropies, and thermodyn. parameters for phase transitions for >1100 organic compds.
 ACCESSION NUMBER: 1993:88646 CAPLUS
 DOCUMENT NUMBER: 119:88646
 TITLE: Heat capacities and entropies of organic compounds in the condensed phase. Volume II
 AUTHOR(S): Domalski, Eugene S.; Hearing, Elizabeth D.
 CORPORATE SOURCE: Cent. Chem. Phys., Natl. Inst. Stand. Technol., Gaithersburg, MD, 20899, USA
 SOURCE: Journal of Physical and Chemical Reference Data (1990), 19(4), 881-1047
 CODEN: JPCRBV; ISSN: 0047-2689
 DOCUMENT TYPE: Journal: General Review
 LANGUAGE: English

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